

I CLAIM:

1. A tattoo machine, comprising:
 - a frame having a contact point;
 - an armature bar coupled to a needle;
 - a back spring operable to support said armature bar on said frame for oscillation thereof;
 - at least one electromagnetic coil supported on said frame operable to oscillate said armature bar thereof;
 - a control circuit operable to energize said at least one electromagnetic coil;
 - a front spring coupled to said armature bar and positioned to contact said contact point of said frame;
 - a resistor and a capacitor coupling said contact point to a power source; and
 - a dampener operable to increase the frequency of the oscillations of said armature bar;
- wherein said armature bar oscillates between said contact point and said at least one electromagnetic coil in response to the energization of said at least one electromagnetic coil.

2. The machine of claim 1, wherein said dampener comprises an elastomeric ring coupled to said frame and said armature bar.

3. The machine of claim 2, wherein said dampener comprises an elastomeric wedge structure abutting said front spring and a top surface of said armature bar.

4. The machine of claim 3, wherein said dampener further comprises an elastomeric member coupled to said top surface of said at least one electromagnetic coil so as to dampen the vibrations caused by contact between said at least one electromagnetic coil and said armature bar.

5. A method for the application of permanent makeup using a machine incorporating a reciprocating needle coupled to an armature bar supported on a frame, said method comprising the steps of:

supporting said armature bar on said frame for oscillation thereof;

oscillating said armature bar having a spring thereon;

controlling the rate of oscillations of said armature bar with a dampener.

6. The method of claim 5, wherein the step of controlling the rate of oscillations of said armature bar with said dampener comprises the step of attaching an elastomeric ring to said frame and said armature bar.

7. The method of claim 6, wherein the step of controlling the rate of oscillations of said armature bar with said dampener comprises the step of attaching an elastomeric wedge structure abutting said spring and a top surface of said armature bar.

8. The method of claim 6, wherein the step of controlling the rate of oscillations of said armature bar with said dampener further comprises the step of attaching an elastomeric member to a top surface of said electromagnet.

9. The method of claim 6, wherein said step of oscillating said armature bar includes the steps of providing an electromagnet and inducing oscillations therewith.